

Figure 1

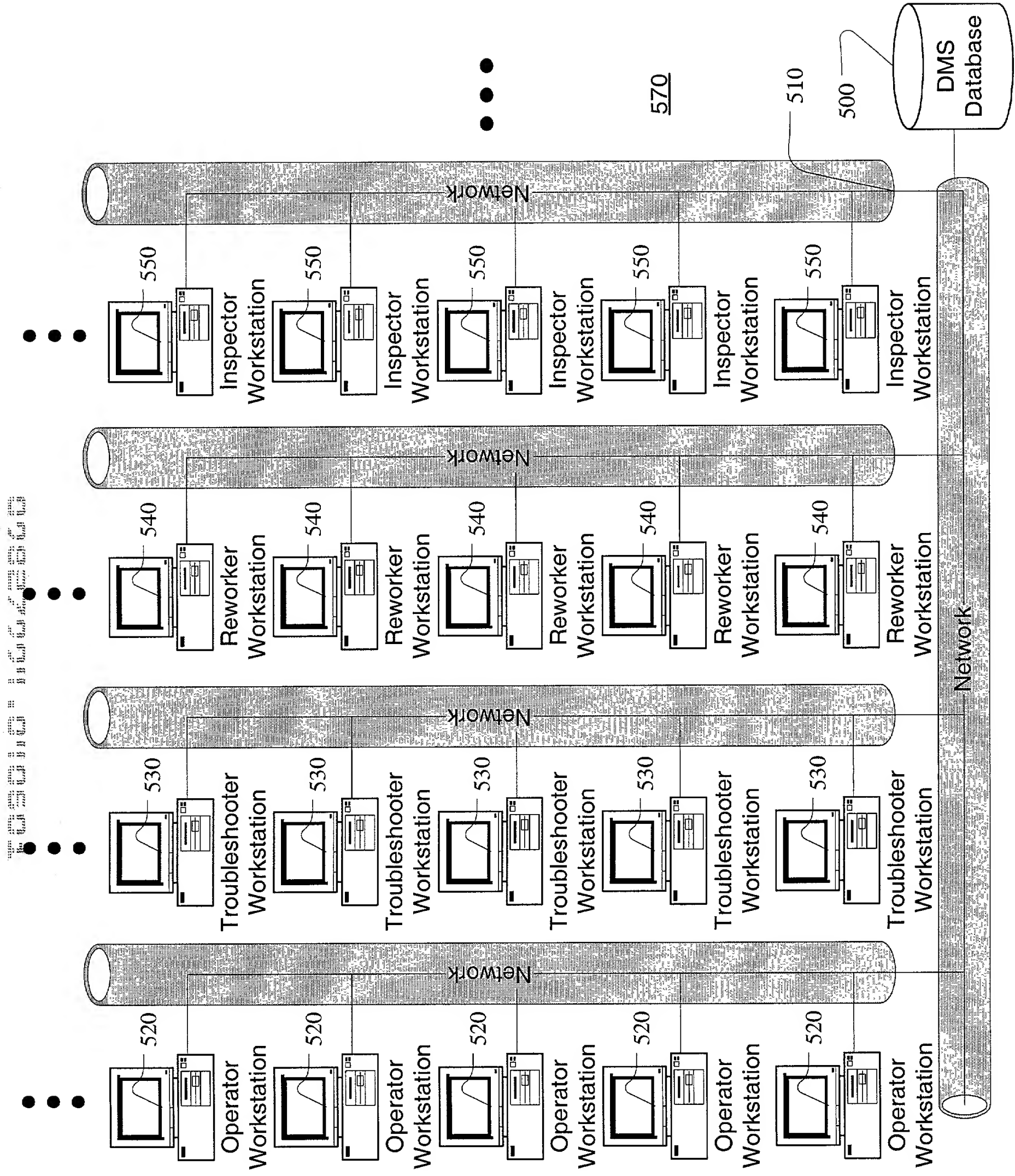


Figure 2

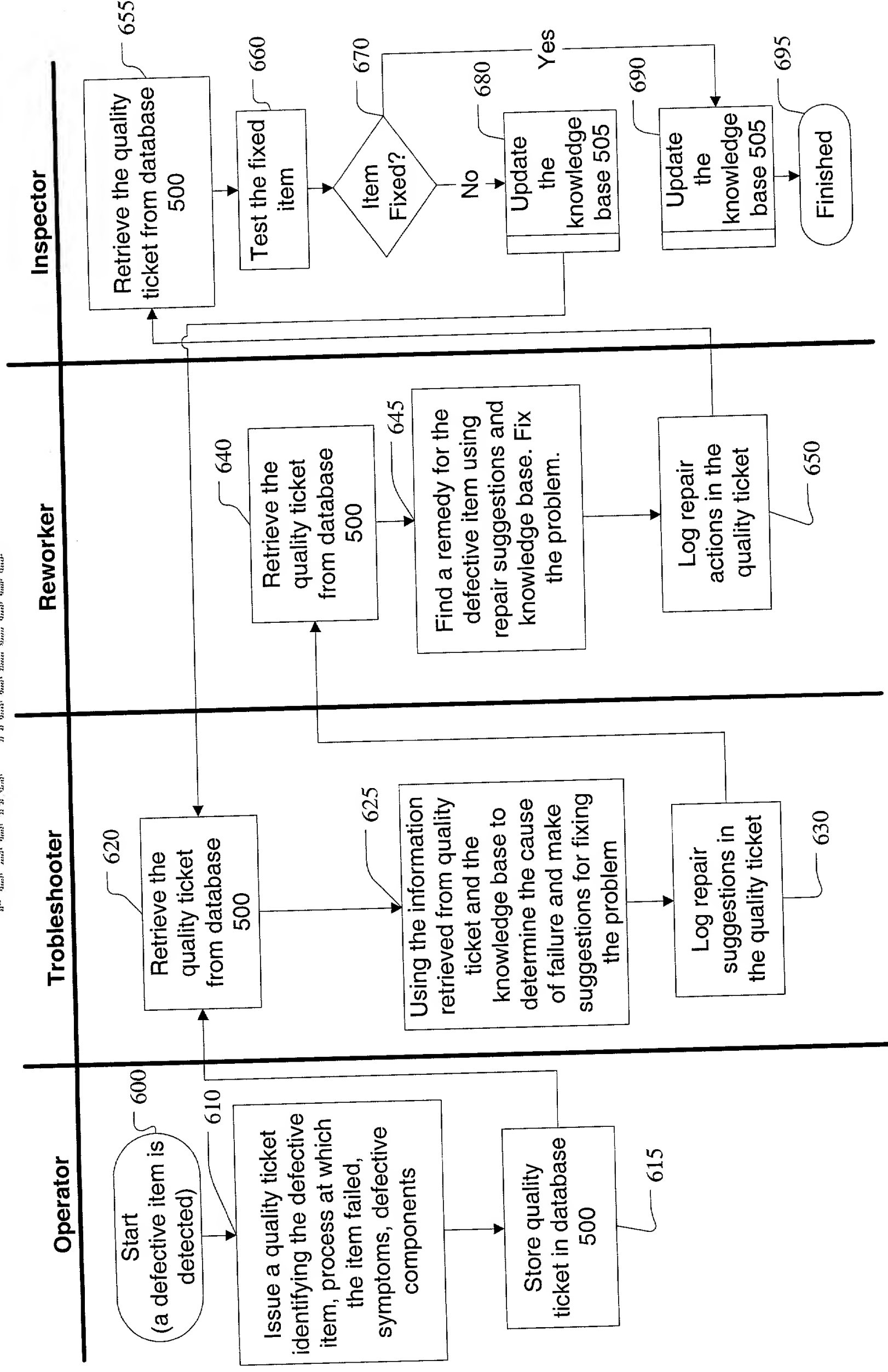


Figure 3

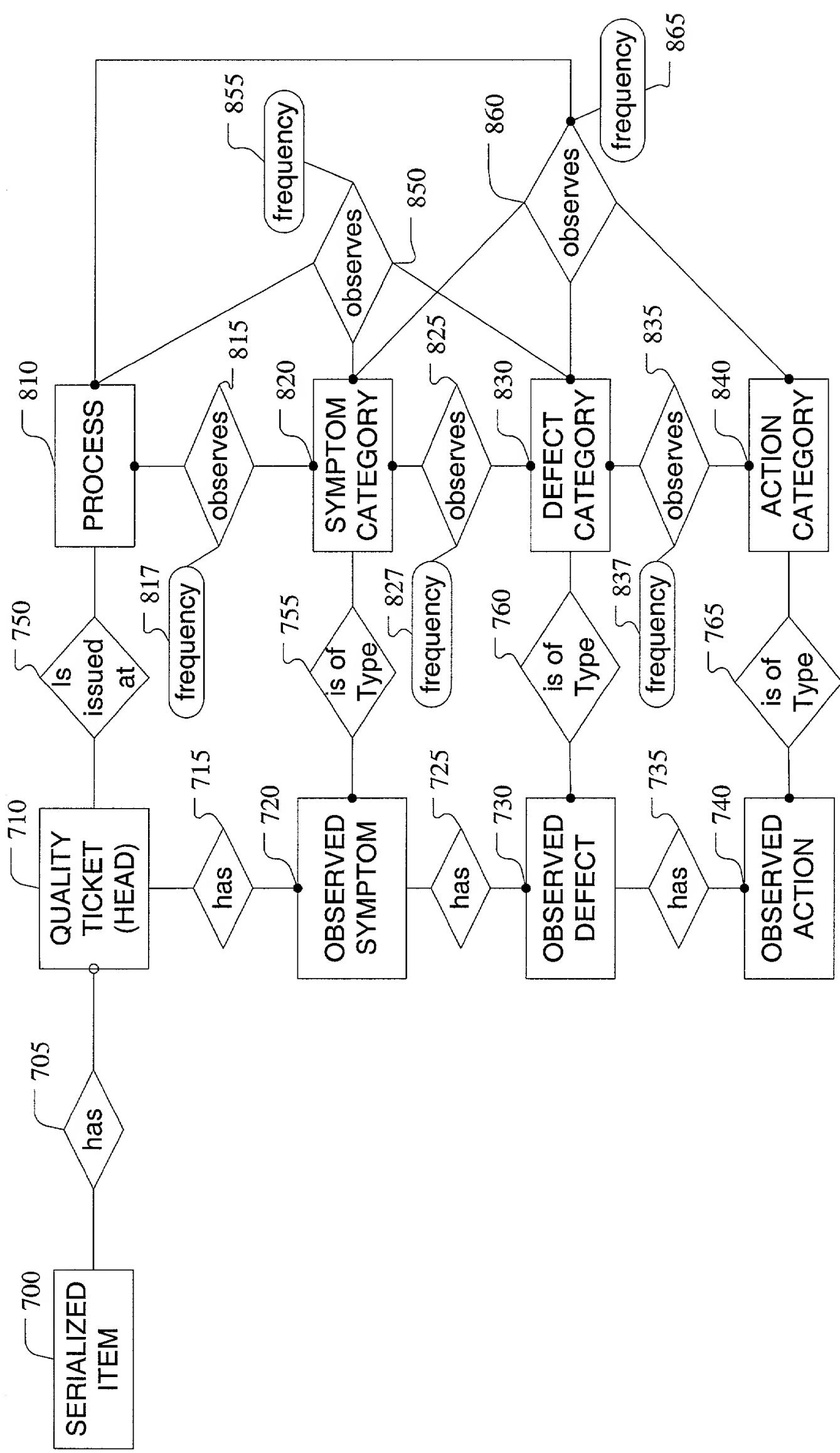


Figure 4

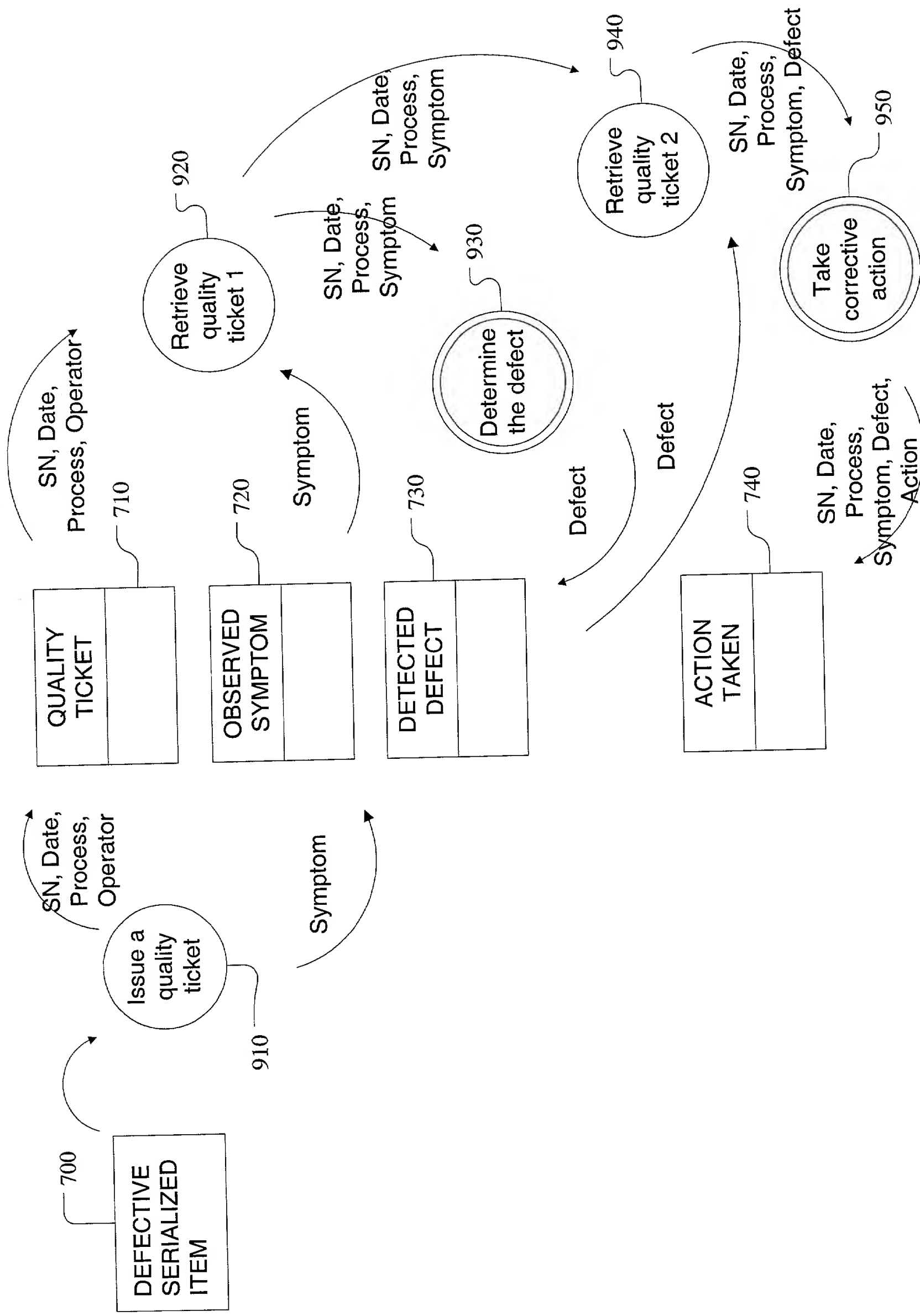


Figure 5

Figure 1 is a screenshot of a software interface titled "Quality Ticket (V1.2.2)". The interface is organized into several sections. At the top, there is a title bar. Below the title bar, on the left, are fields for "Serial Number" (10) and "Ticket" (15). To the right of these fields are fields for "Module Info" (20), "Application" (25), "Part Number" (27), and "Description" (30). A "Close Quality Ticket" button (35) is located below the "Ticket" field. A "File" menu (40) is positioned at the top right. The main area of the interface is titled "Area Of Operation" (45) and contains a large text area (50) with a "Symptom" label (60). Below this text area, there is a "Process Step (Test)" field (70) and a "Symptom Category" field (80). A "Comment" field (90) is located at the bottom left. On the right side, there are buttons for "Cancel/Menu" (105), "OK" (110), and "New" (115). A "Quality Ticket Expires" label (120) is at the bottom right. The interface also includes a "Customer Operator" field (130) and a "Date" field (135).

Figure 6a

Defect Management System (V 1.4.0) - Quality Ticket

Serial Number: Ticket:

Serialized Item: Factory Data:

Application: Part Number: Description: Revision:

Serialized Item Factory Data:

Area Of Operation: System Test: ☐

Symptom:

Process (Test Stage): CIAO 1 Process Step (Test): DT

Comment:

Quality Ticket Explorer DCS Support System Test

Save Cancel/New Defect No Defect Close

CIENA\dmstestuser1 CIENA\dmstestuser1

Figure 6b

Figure 7

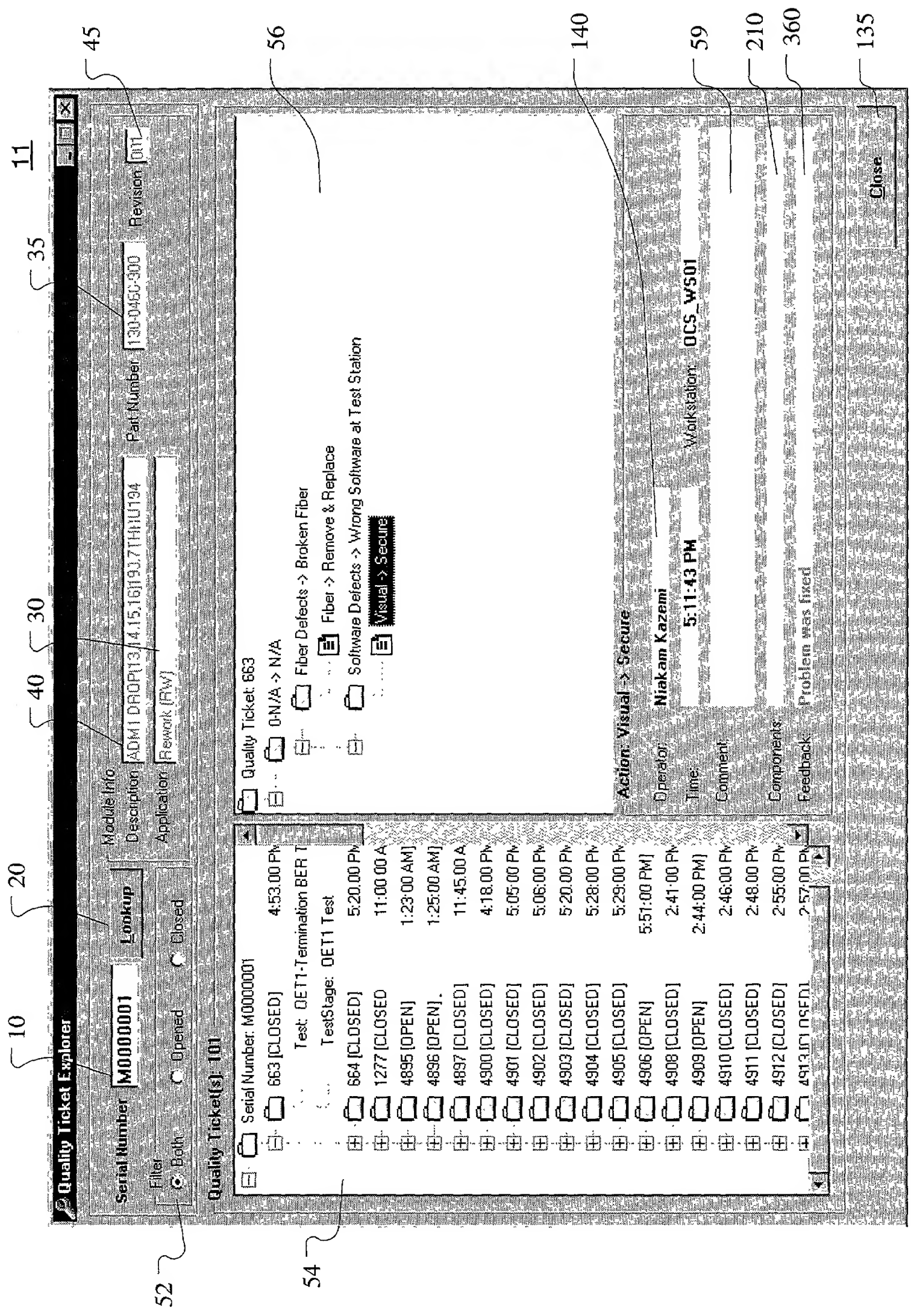


Figure 8

Quality Ticket

Serial Number M00000002	Lookup
Ticket 420	Select info
Create Quality Ticket	

Module Info:
 Application: **Flyp-4ed-4e/ford**
 Part Number: **130-0165-909**
 Revision: **501**
 Description: **AOWTIDRON/374 1516/193 ZHAWU194**

Symptom

Initiated By:

Process (Test Stage): **DEL11 Test** Process Step (Test): **OFT1 Initialize Module**

Symptom Category: **N/A** Symptom: **N/A**

Comment: **Testing**

Quality Ticket Explorer

Area of Operation: **1** Client Operator: **CENAVimperator.CENAVimporalia**

Status: **Cancel/New** Defect: **No Defect** Close

Figure 9

140

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Defect/Action Information for Quality Ticket: Ticket#: 4895 [SN: M00000001; PN: 130-0466-900; Rev: 001]

Operator: CIENA\dmstestuser1

Process (Test Stage): OT1 - Rx

Symptom Category: 1-N/A

Comment:

Area of Operation: 10G

Process Step (Test): RX grating test

Symptom: N/A

Defect

Defect Category:

Components:

Comment:

Defect

Action

Troubleshooting Guide

Save

To get the detailed information on each defect double click on the corresponding row or click on the Feedback button

Status	Defect Category	Defect	Reference Designator(s)
Not Fixed	Component Defects	Damaged	YERE, EEE
No Action	Component Defects	Damaged	tmdd
No Action	Component Defects	Damaged	GGG, DFDD, DDD
No Action	Component Defects	Damaged	

Feedback

Close

7

System Test

CIENA\dmstestuser1

CIENA\dmstestuser1

Figure 10b

Defect/Action Information for Quality Ticket: Ticket#: 416 ISN: M0000002; PN: 130-1466-900; Rev: 001

Quality Ticket Symptom Info

Process Step(Stage)	T3 Test
Symptom Category	M/A
Comment	(Catalytic Ignite)
Initiated by	CENNA Vmopana CENNA Vmopana

Defect

Action Category	Components	Comments	Action
Resolution			

Feedback

Problem was fixed ☐ Problem was not fixed ☒

Defect List and Details

Defect Category	Defect	Log Date Time
Fiber Defects	Ticket# Fiber	04/04/2008 04:45:00 PM

Area of Operation: 1 Current Operator: CENNA Vmopana CENNA Vmopana

Buttons: Save, Cancel, Close

Figure 11a

Defect/Action Information for Quality Ticket: 420 [SN: M0010002; PM: 130-M66-200; Rev: 001]

Quality Ticket	
Symptom Info	
Process Step (Test)	DCTI Analysis Module
Symptom Category	N/A
Comment	
Initiated by	CENNA/Monitors

Defect	Action
Action Category: Fiber Component(s): u-666 Comment: testing Reviewed: Flewcker CEN	Remove & Replace

Defect List and Details

Defect Category	Defect	TroubleShooter	Last Date/Time
Fiber Defects	Broken Fiber	CENNA/Monitors, CIE...	12/21/00 10:50:00
Component Defects	Damaged	CENNA/Monitors, CIE...	12/21/00 11:58:00
Fiber Defects	Broken Fiber	CENNA/Monitors, CIE...	12/21/00 3:09:00 PM
Software Defects	Wrong Software at Test Station	CENNA/Monitors, CIE...	12/21/00 3:16:00 PM

Testing: u-666

Save Cancel

Close

Figure 12

[illegible]

Figure 13

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Detailed information for defect: 3305

Troubleshooter: Kazemi-1, Niakam

Defect Category: Component Defects

Defect: Damaged

RD(s): YERE, EEE

Comment:

Reworker: Kazemi-1, Niakam

Action Category: Components

Action: Cleaned

RD(s):

Comment:

☒ Problem was not fixed

This box is to provide the system with feedback on whether the problem with the item has been fixed or not. This information is being checked when closing the quality ticket. If the quality ticket contains a defect with no corresponding action showing 'Problem was fixed' the ticket cannot be closed.

☒ Problem was fixed

☐ Problem was not fixed

Save Feedback

Close

Figure 14

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Troubleshooting Guide

The following is a list of the most likely causes for the specified SYMPTOM

Defect Category	Defect	Frequency
Component Defects	Defective Component	58
Testing Defects	Test Error	51
Component Defects	Damaged	26
Fiber Defects	Broken Fiber	11
Connector Defects	Pitted	10
Solder Defects	Insufficient Solder	8
Testing Defects	High Insertion loss	6
Solder Defects	Excessive Solder	5
Testing Defects	Proof Test Break	5
Component Defects	Wrong Component	5

Close

350

Figure 15